

FIG. 1A PRIOR ART

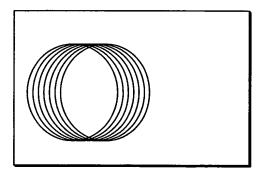
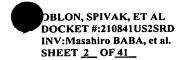


FIG. 1B PRIOR ART



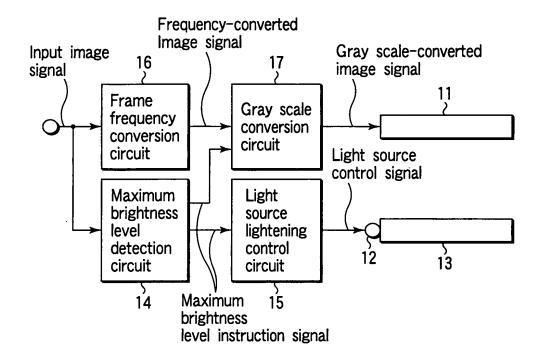
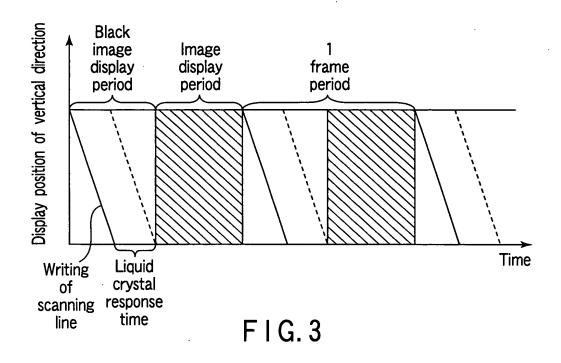
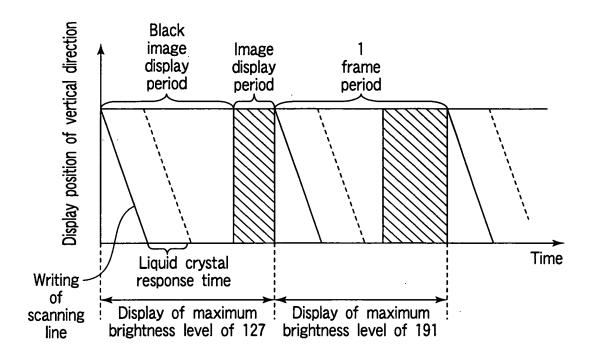
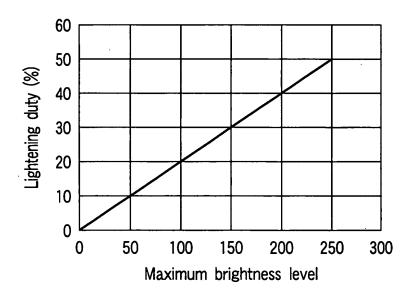


FIG.2





F I G. 4



F I G. 5

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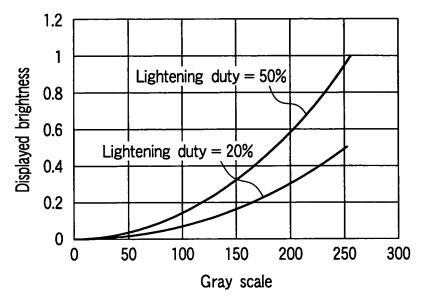


FIG.6

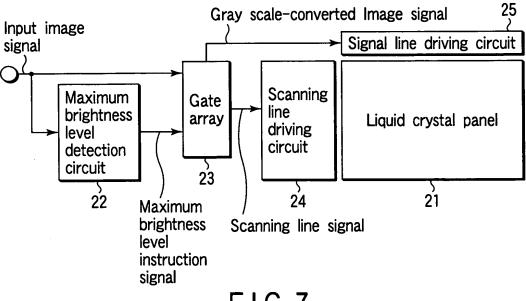
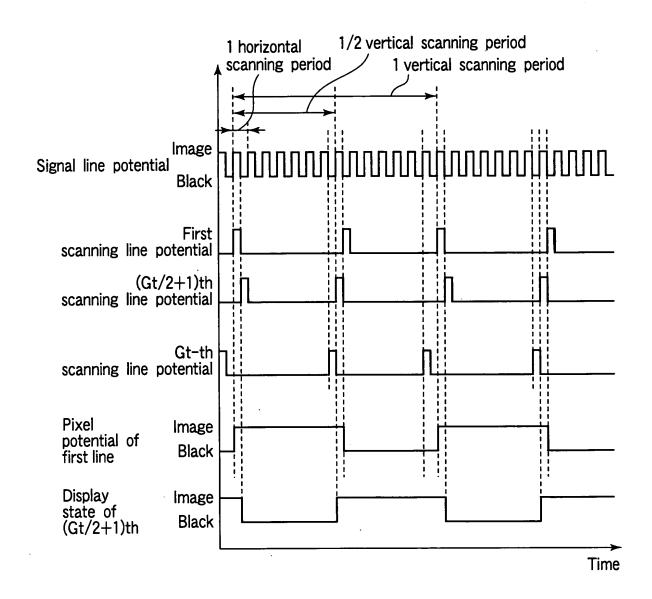
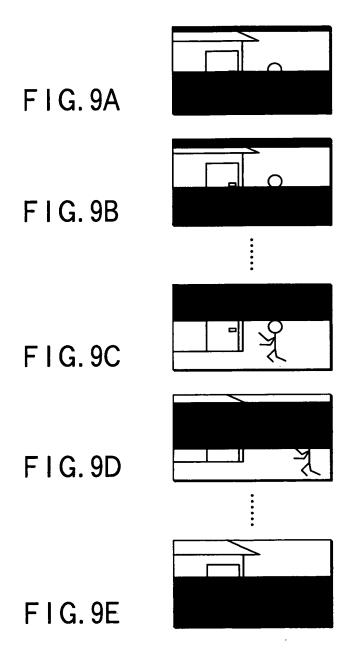
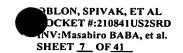


FIG.7



F I G. 8





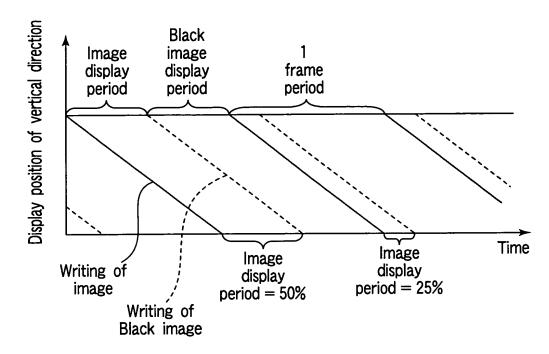


FIG. 10

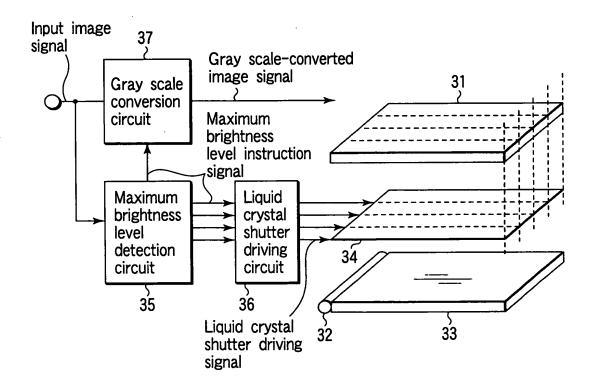


FIG. 30

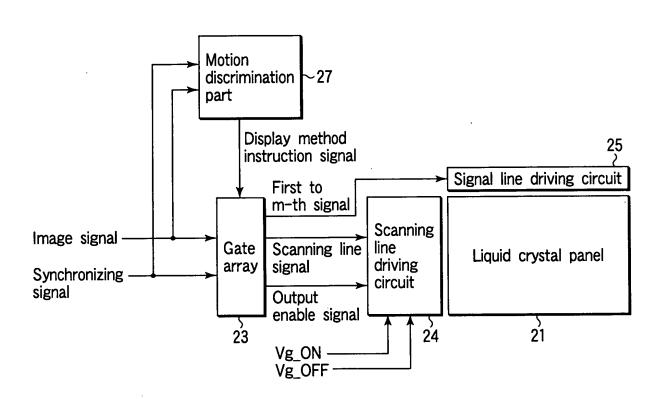
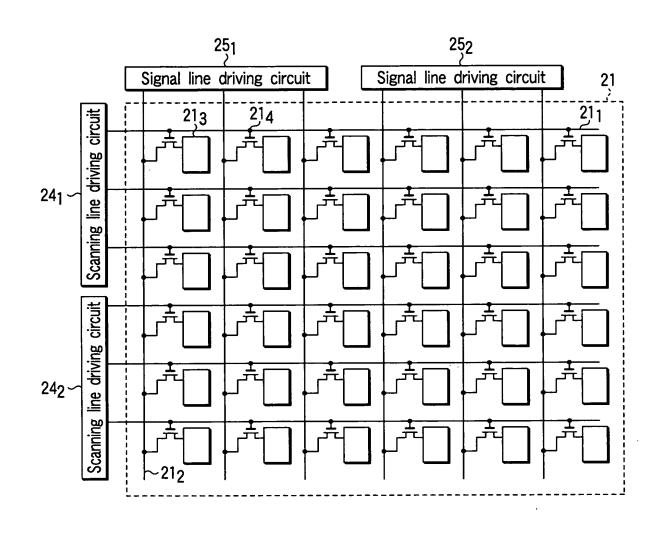
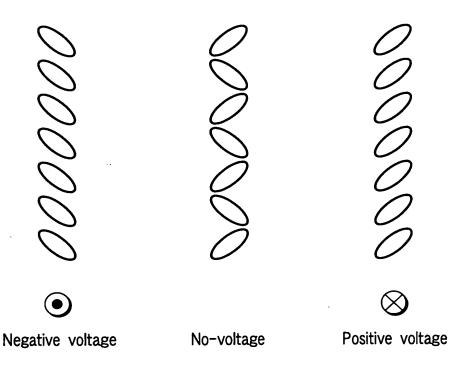
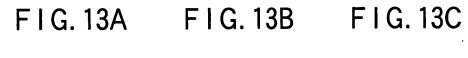


FIG. 11



F I G. 12





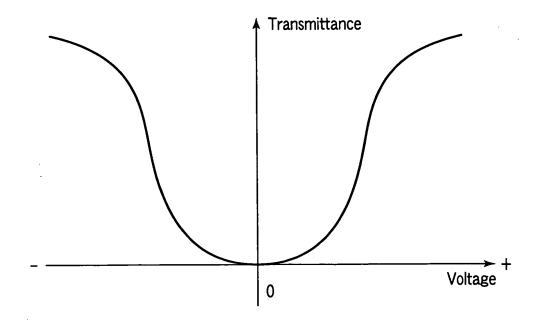


FIG. 14

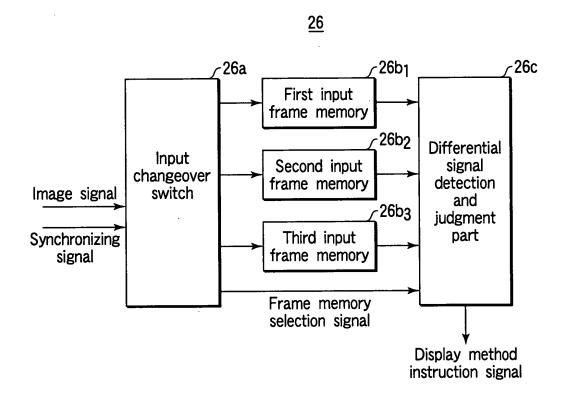
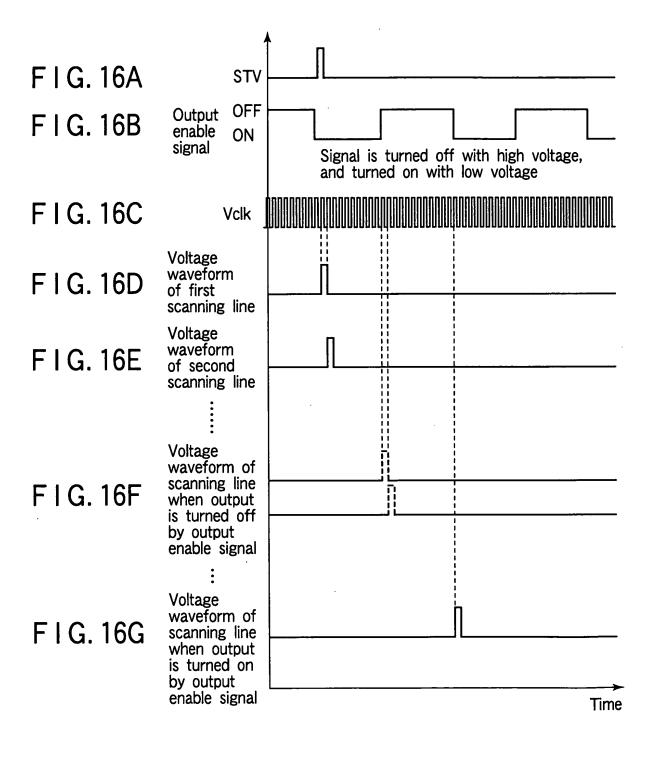
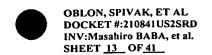
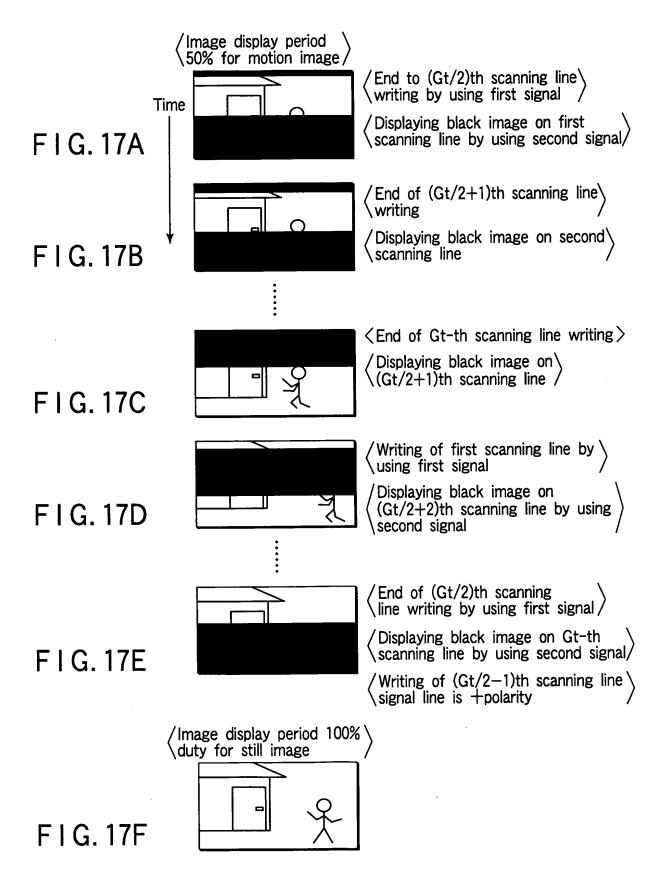
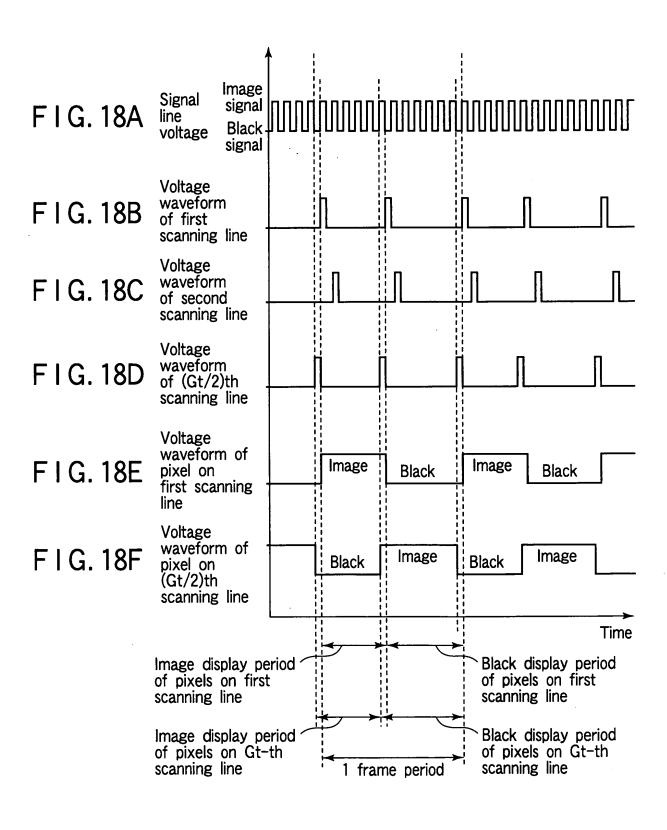


FIG. 15









## Relation between number of scanning lines, adjustment accuracy, and minimum duty

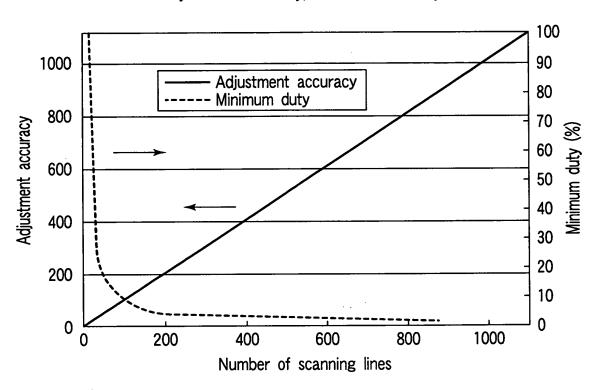
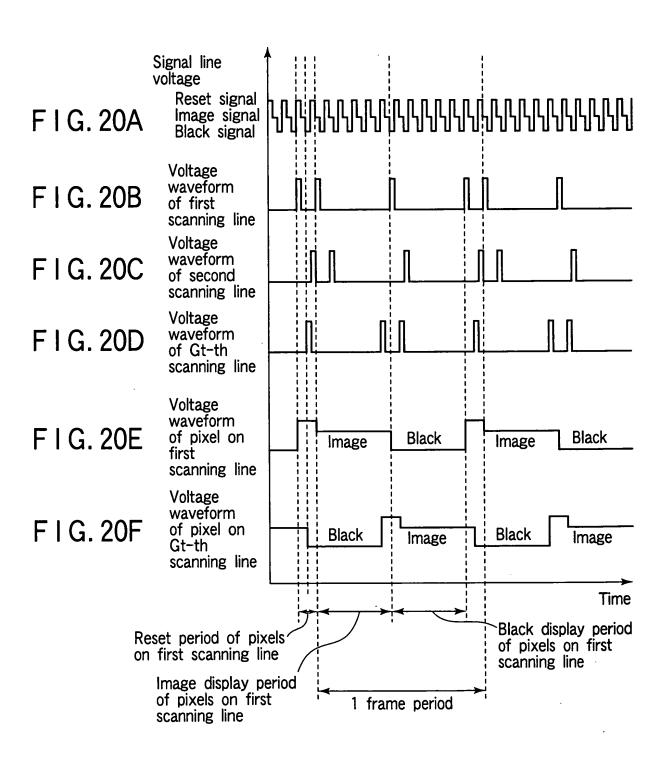
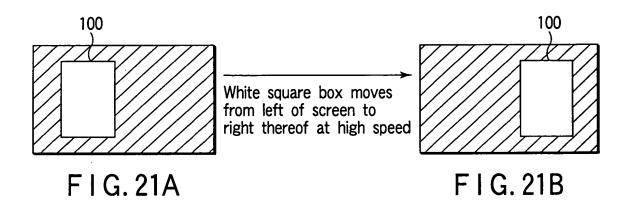


FIG. 19



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Line sequential processing when creating screen and plane sequential processing when displaying image

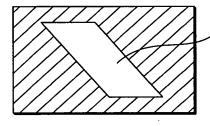


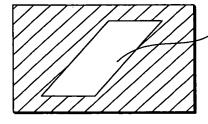
FIG. 21C

100

Creation time is different at an upper and lower side of screen.

The image is created when moving body exists in left side at upper side of screen, and the image is created when moving object is moved to right while going under the screen

plane sequential processing when creating screen and line sequential processing when displaying image



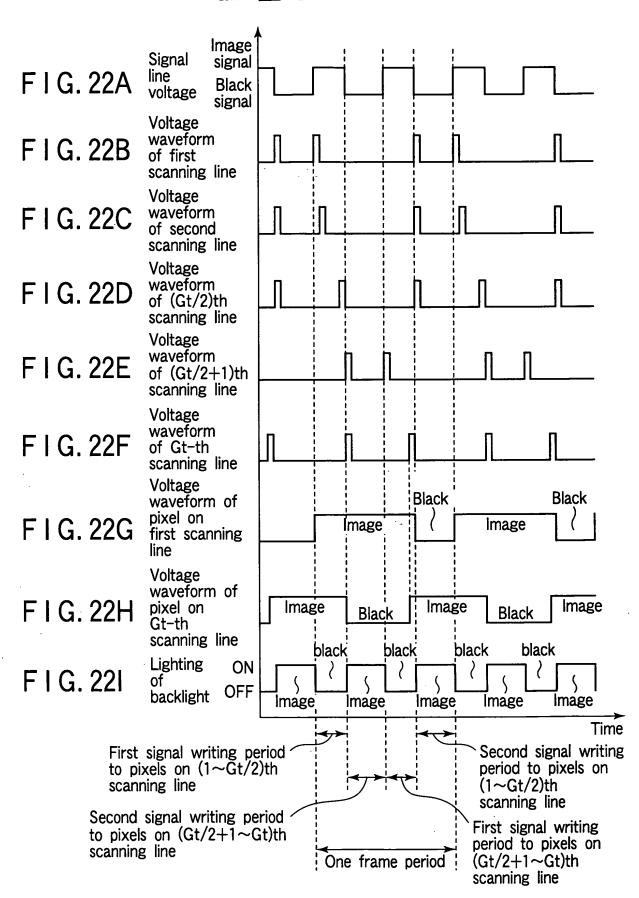
F I G. 21D

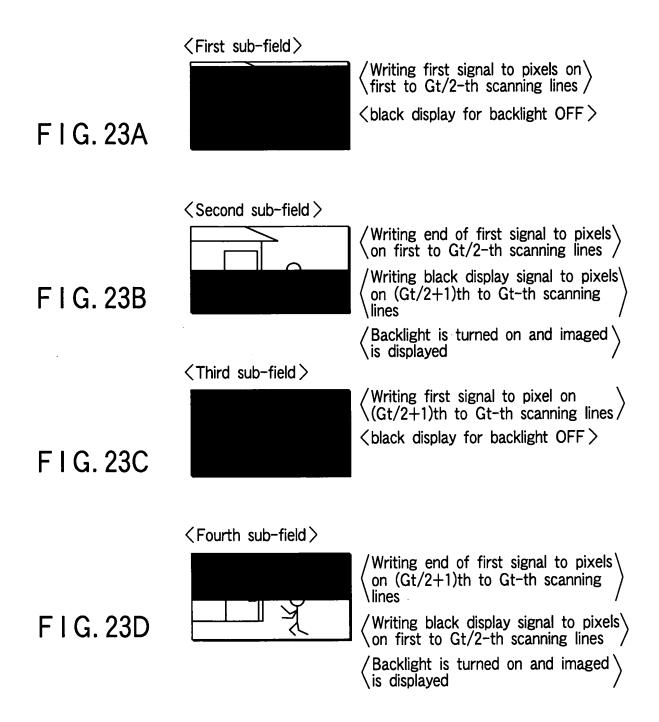
100

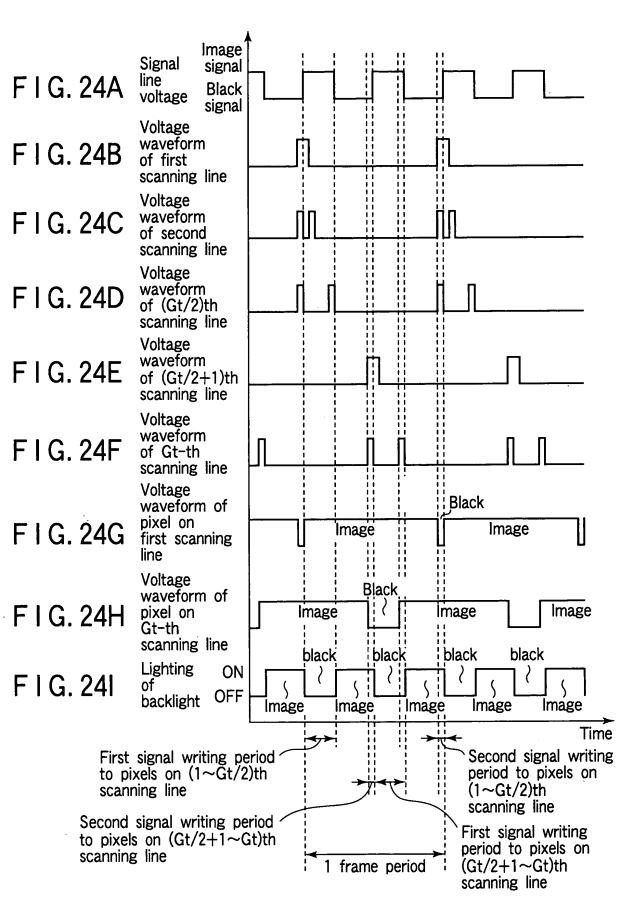
Creation time is same at an upper and lower screen. Display timing difference occurs because scanning is performed from upper to lower screen sequentially



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First sub-field>

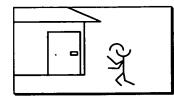


Writing first signal to pixels on  $\setminus$ first to Gt/2-th scanning lines /

F I G. 25A

Second sub-field >

F I G. 25B



Writing end of first signal to pixels ackslashon first to Gt/2-th scanning lines /

Image is displayed by turning on anglebacklight

There is a slight time gap between image on (Gt/2+1)th to Gt-th scanning lines and image on first to Gt/2-th scanning lines because image on (Gt/2+1)th to Gt-th scanning lines is at previous frame image

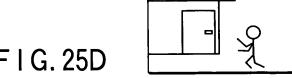
Third sub-field >



Writing first signal to pixel on (Gt/2+1)th to Gt-th scanning

FIG. 25C

Fourth sub-field>



Writing end of first signal to pixels on (Gt/2+1)th to Gt-th scanning

Backlight is turned on and imaged is displayed

There is no time gap between image on (Gt/2+1)th to Gt-th scanning lines and image on first to Gt/2-th scanning lines because image on (Gt/2+1)th to Gt-th scanning lines is at same frame image as on first to Gt/2-th scanning lines

F I G. 25D

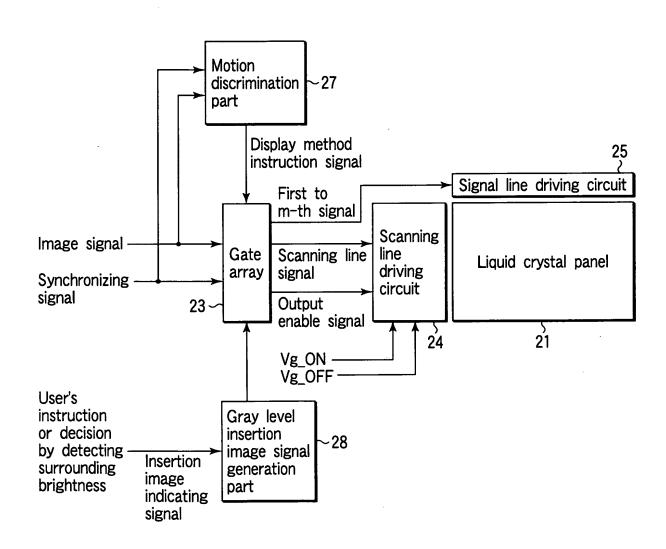


FIG. 26

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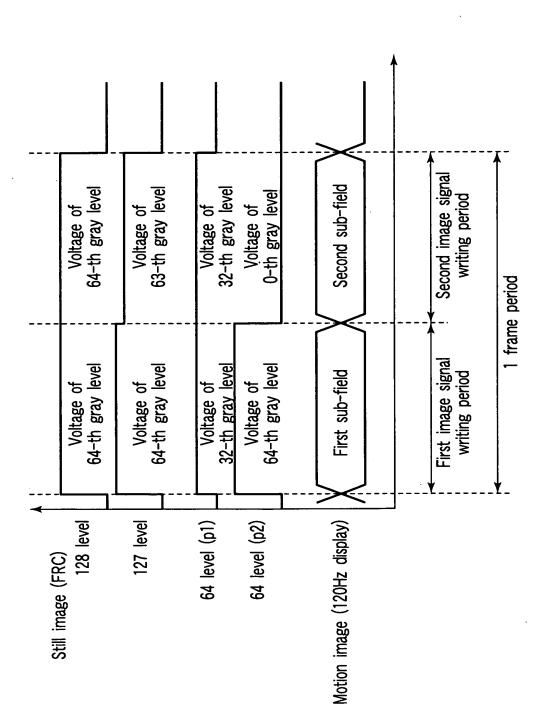
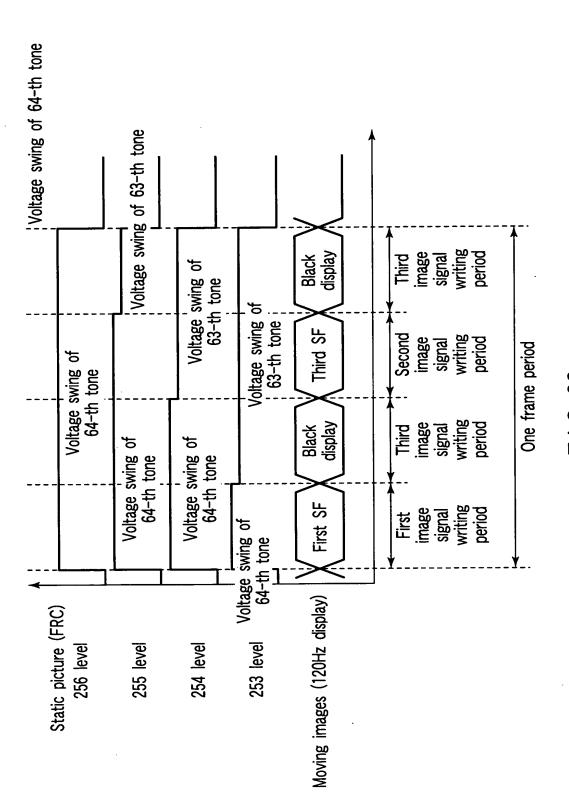


FIG. 27



F1G. 28

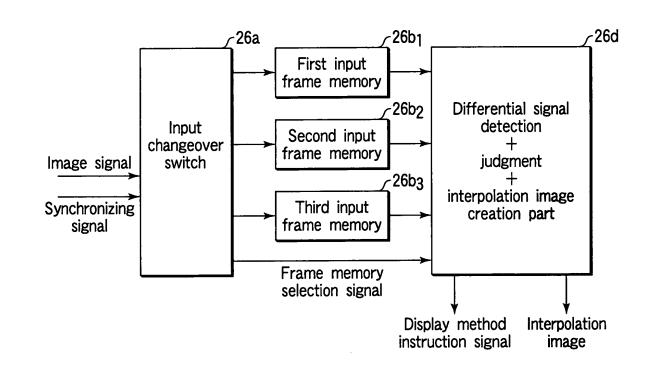
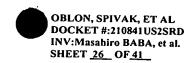
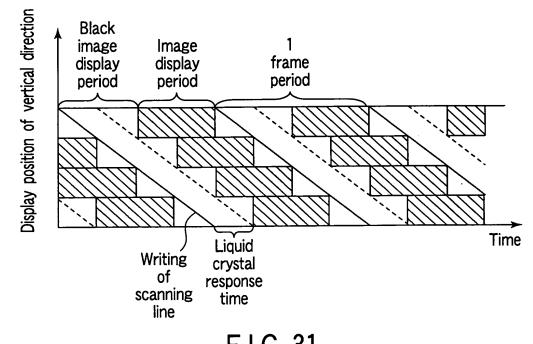


FIG. 29





F I G. 31

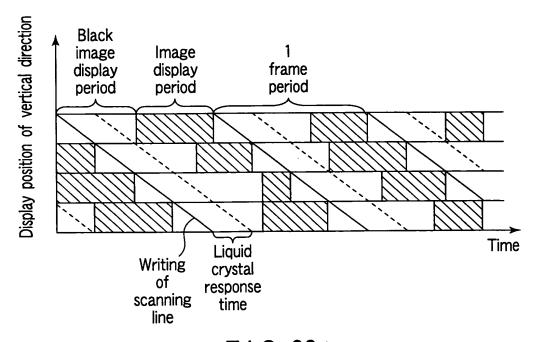
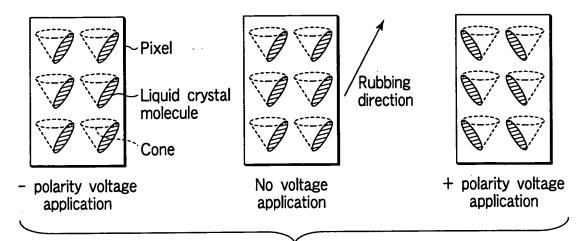
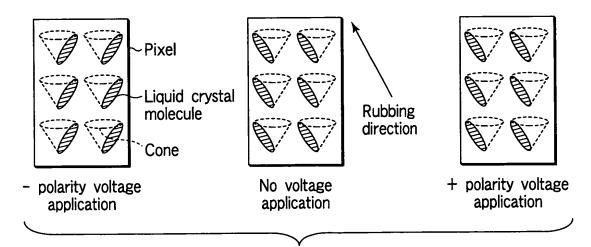


FIG. 32

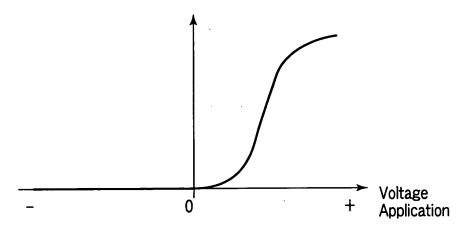


F I G. 33A



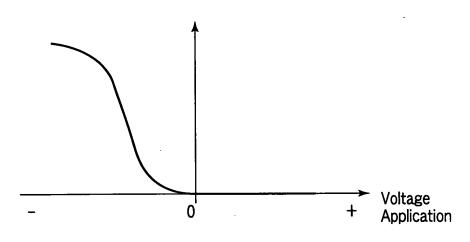
F I G. 33B

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First alignment

F I G. 34A



Second alignment

F I G. 34B

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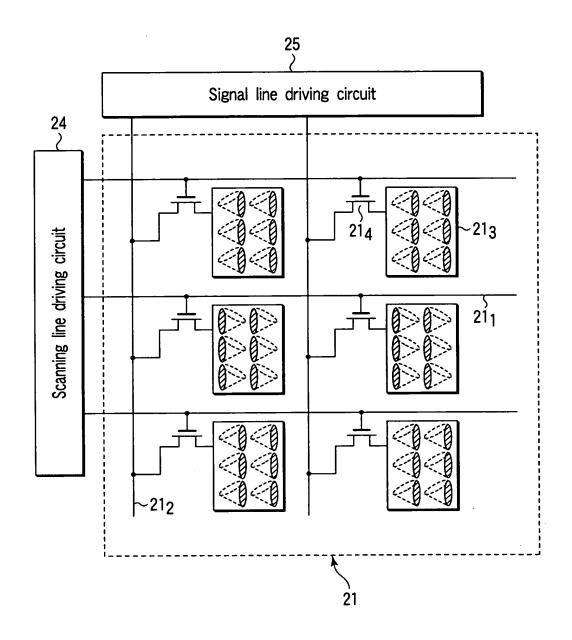


FIG. 35

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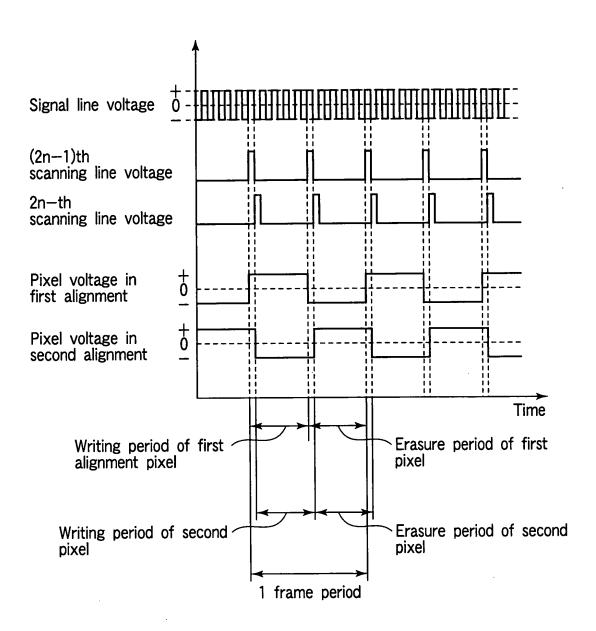
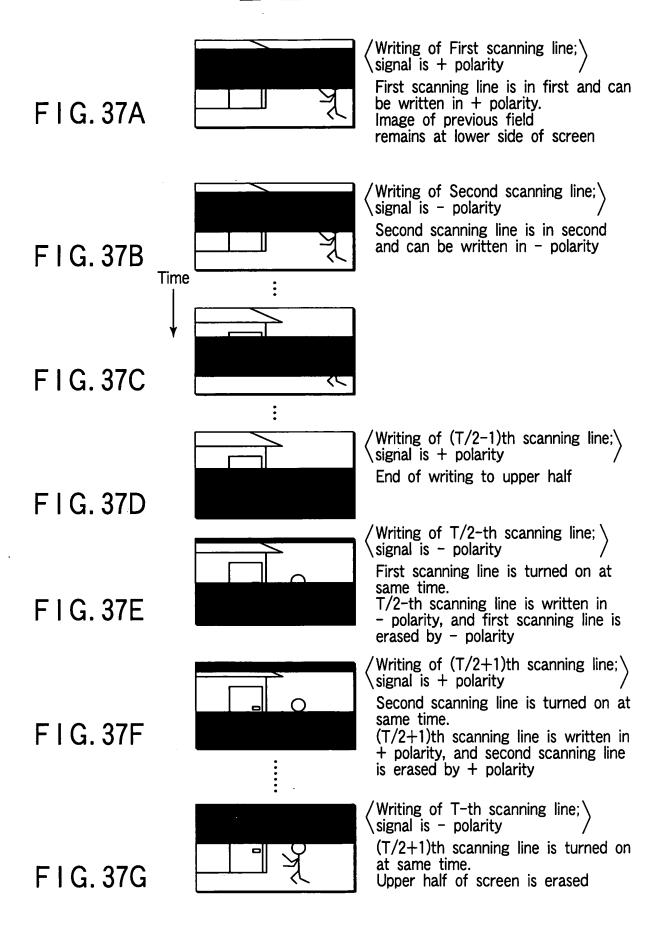
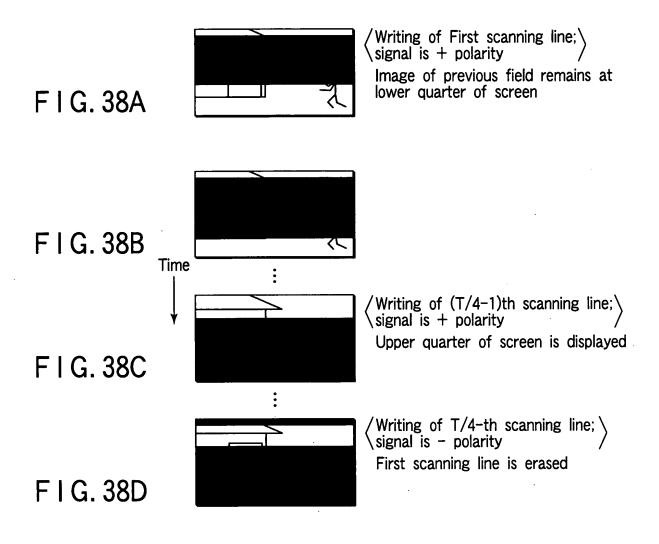


FIG. 36



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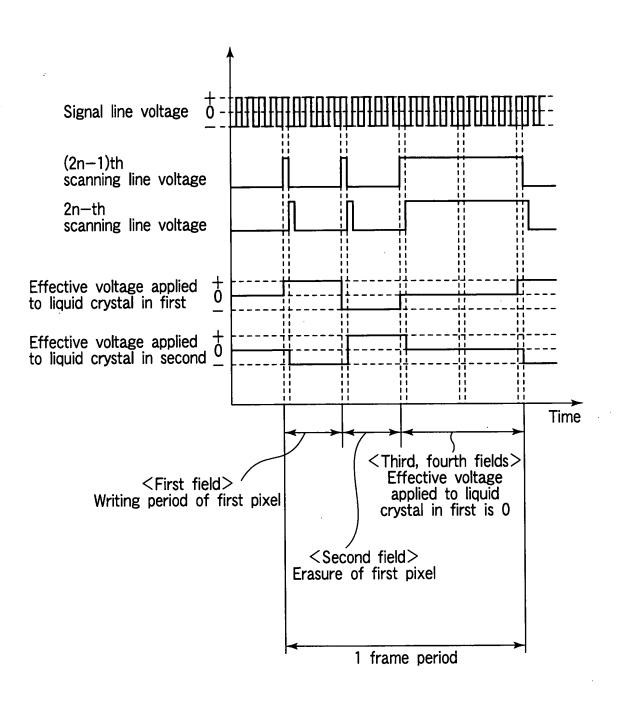


FIG. 39

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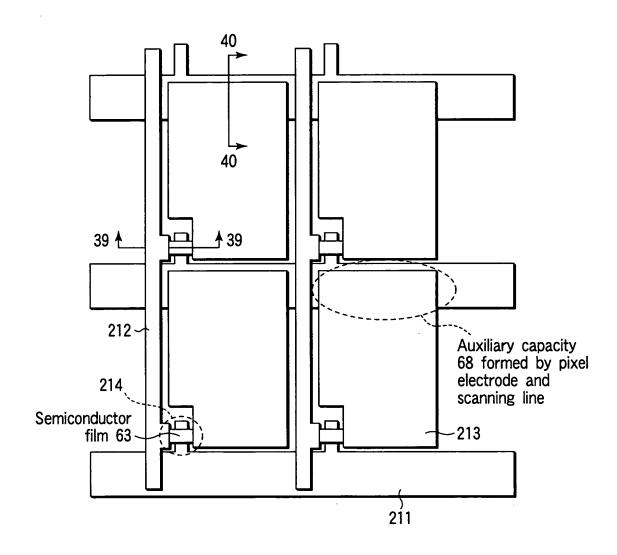
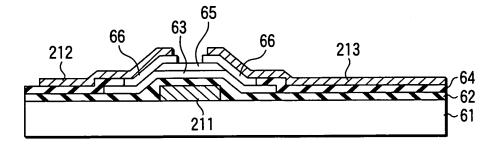
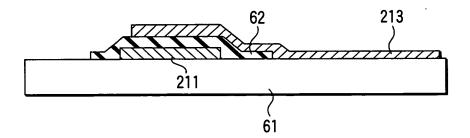


FIG. 40

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F I G. 41



F I G. 42

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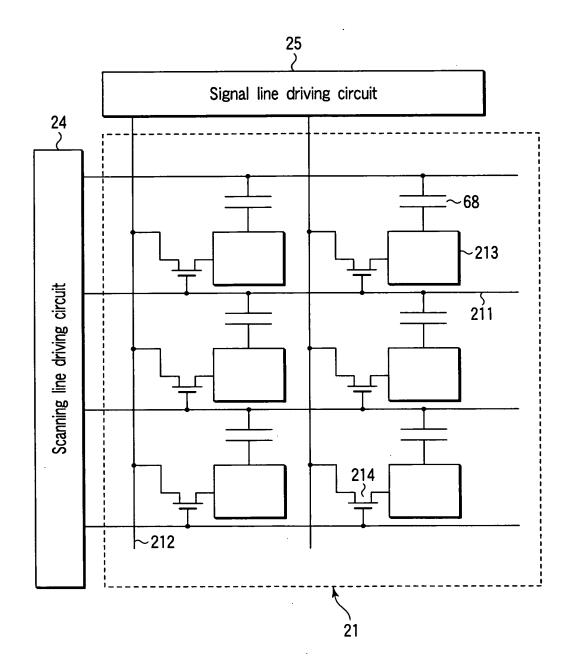


FIG. 43



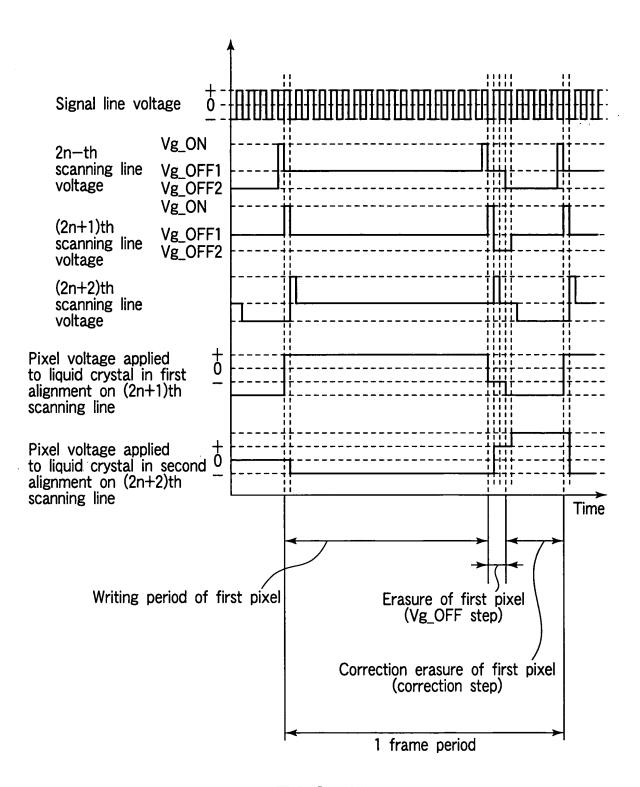


FIG. 44

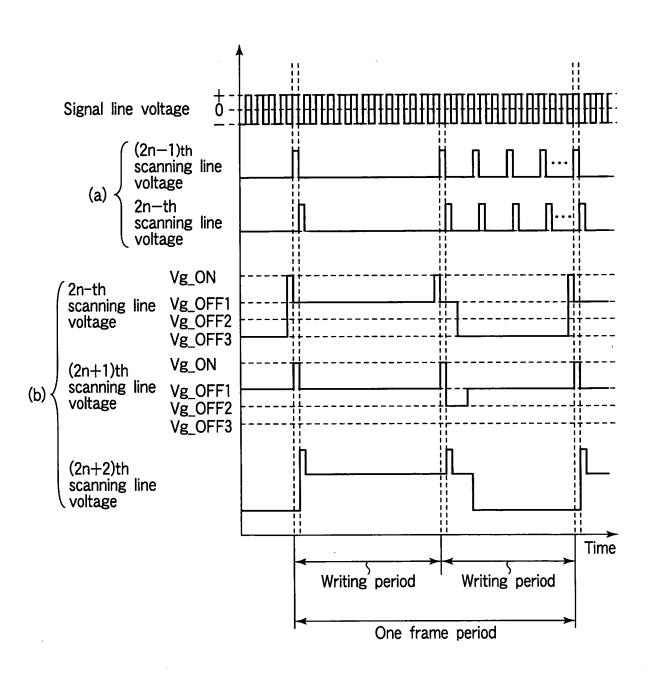


FIG. 45

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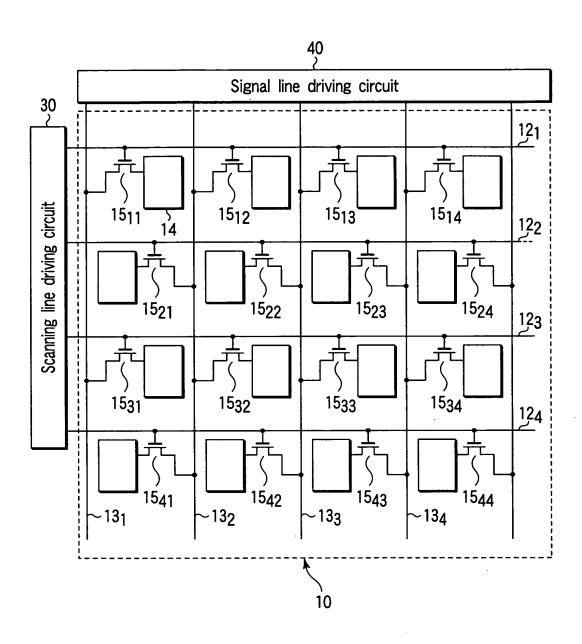


FIG. 46

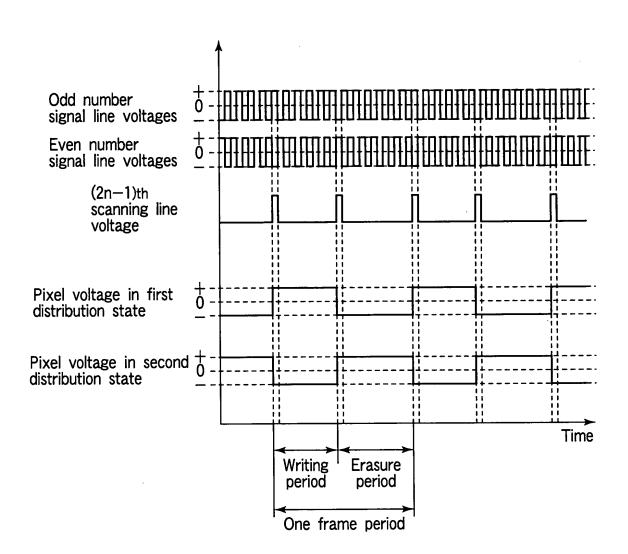
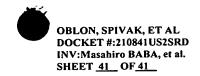


FIG. 47



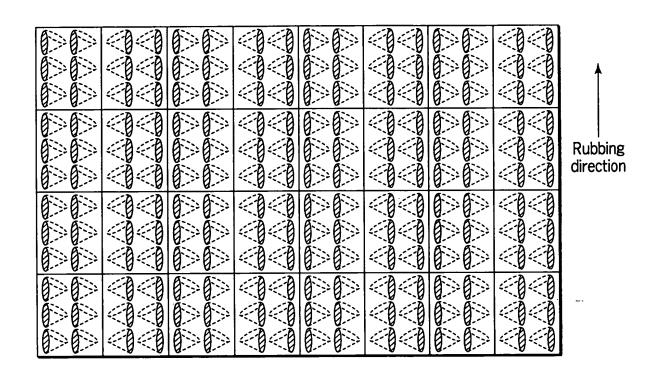


FIG. 48